# The ISOM revision project

ICOM 2014, Lavarone, Italy

# The ISOM legacy - Map specifications for orienteering

- (1962: European Championships (black, brown, blue); 1:25000; 10 m)

- 1969: black, brown, blue, **yellow;** 1:25000/1:20000(?); 5 m

- 1975: black, brown, blue, yellow, **green;** 1:20000/**1:15000**; 5 m (or free choice between 2 and 10 m); A, B (and C) symbols

- 1982: more greens (+ adjusted colours); 1:15000 (1:10000 exceptionally); 5 m (2.5 m exceptionally); A, B (and C) symbols;  up to 20% variation allowed for line thickness
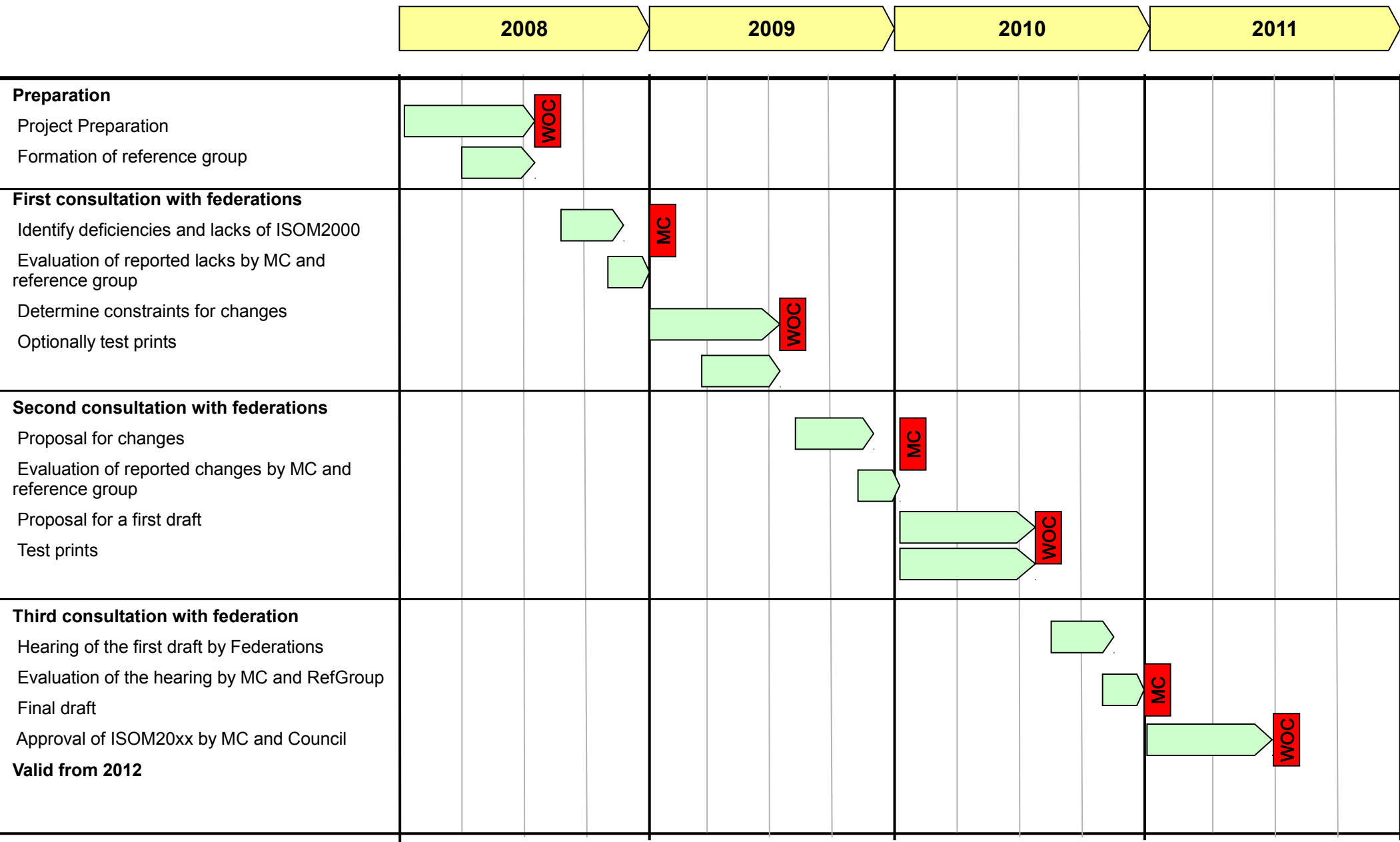
# The ISOM legacy - Map specifications for orienteering

- 1990: Adjustments; 1:15000 (1:10000 exceptionally), 5 m (2.5 m exceptionally); up to 20% variation allowed for symbol dimensions

- 2000: Adjustments; 1:15000 (1:10000 enlargement), 5 m (2.5 m exceptionally), up to 5% variation allowed for symbol dimensions

- 201x: Adjustments; 1:15000 (1:10000 enlargement); 5 m (2.5 m exceptionally), ...
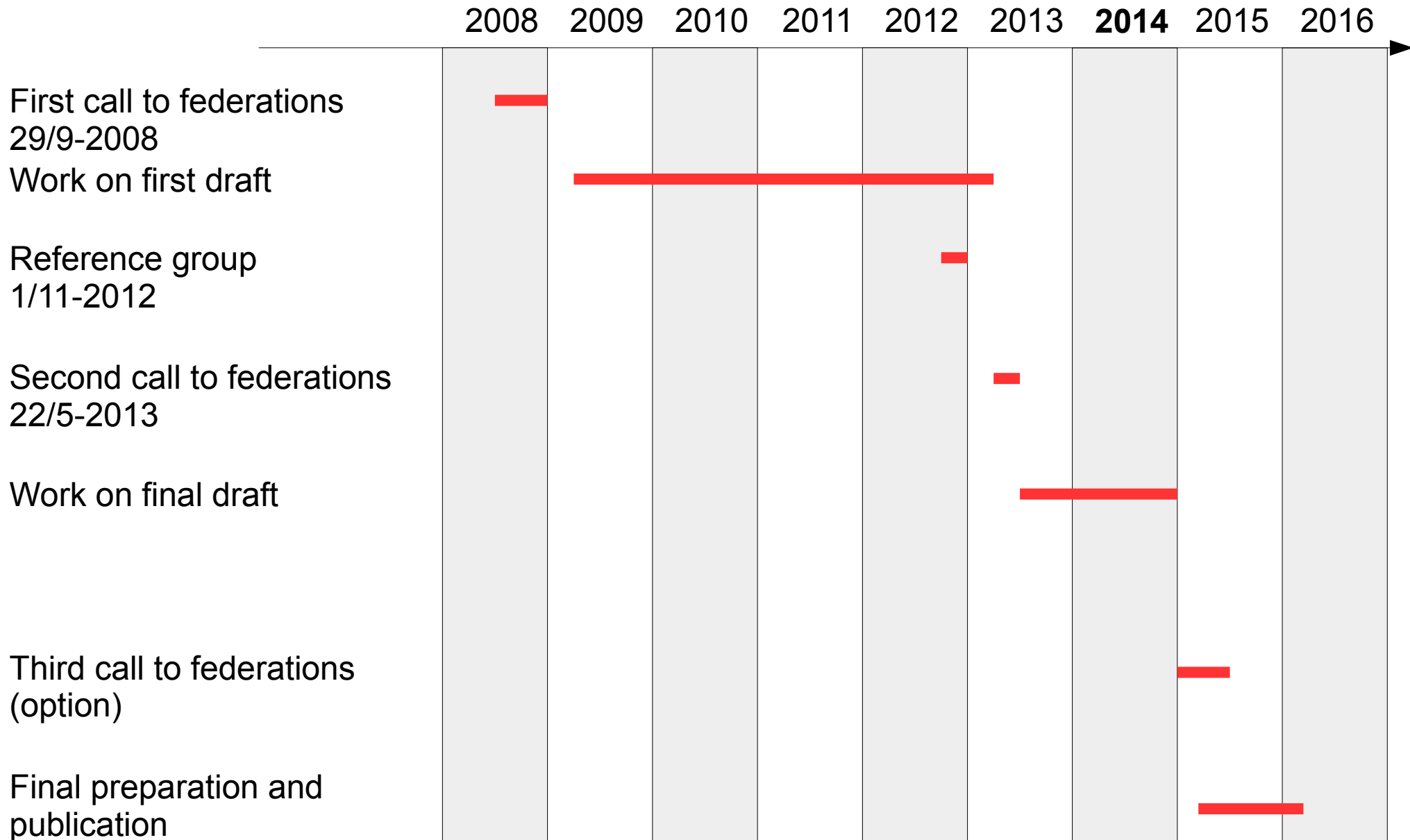
# The ISOM is perfect, is it not?
# So why is a revision needed?

- Alignment with the ISSOM

- Better support for alternative printing methods

- Responding to input on ISOM symbols

- Experiences from map evaluations (deviations, observed problems, symbol application, ...)

- Focus even more on generalisation

- Consistency issues

- Undergrowth symbols revisited

- Include symbol footprints

# Preliminary roadmap ISOM 201x  (june 2008 version)

| | 2008 | 2009 | 2010 | 2011 |
|---|---|---|---|---|
| **Preparation** | | | | |
| Project Preparation | WOC | | | |
| Formation of reference group | | | | |
| **First consultation with federations** | | | | |
| Identify deficiencies and lacks of ISOM2000 | | MC | | |
| Evaluation of reported lacks by MC and reference group | | | | |
| Determine constraints for changes | | WOC | | |
| Optionally test prints | | | | |
| **Second consultation with federations** | | | | |
| Proposal for changes | | | MC | |
| Evaluation of reported changes by MC and reference group | | | | |
| Proposal for a first draft | | | WOC | |
| Test prints | | | | |
| **Third consultation with federation** | | | | |
| Hearing of the first draft by Federations | | | | |
| Evaluation of the hearing by MC and RefGroup | | | | MC |
| Final draft | | | | |
| Approval of ISOM20xx by MC and Council | | | | WOC |
| **Valid from 2012** | | | | |

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# Project history and plan

# So, has anything been done?

- Suggesting and testing alternative/new symbols
  - Undergrowth, boulder field / stony ground, vegetation boundary, form lines, ajusting dotted lines, symbol sizes, ...
- Reading, structuring and discussing input from federations
- Investigations into colour printing and colour systems (SUI)
- Colour vision issues (input from AUS)
- Test prints (SUI)

# Changes

- Simplification: Map scale 1:10000 strict enlargement of 1:15000 (exceptions removed)

  - magnetic north lines (spacing)

  - course overprint symbols

- Clarify minimum dimensions

- Minimum distance / white space between symbols

- Describing the footprints of symbols

# Changes

- Alignment with ISSOM (symbols, symbol dimensions, impassable / passable, ...)

- Adjustment of some point symbol sizes

- Introduction of some new symbols

- Tightening up the definitions for broken ground, stony ground and boulder field

- Form lines - new graphical implementation still considered (thinner line)

# Proposed changes, cont.

- Undergrowth - new graphical implementation sought

- Alternative for vegetation boundary (green line)

- Alternative colour for paths in rocky areas (grey)

# ToDo

- Colour specification
  - CMYK values, CIELab, HVS, PMS
- Decisions still to be made
  - Form lines
  - Screen densities
  - Line widths, symbol spacings, ...
  - Impassable / forbidden
- Document production and publishing
  - Create graphics

# Questions?